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Overview

The Huawei EchoLife HG8045H is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users.
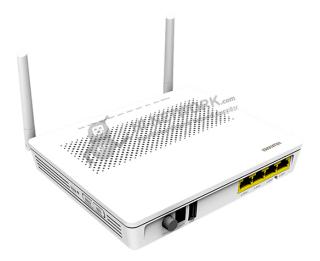
It provides 4 GE ports, 1 USB port and 1 2.4G WiFi port. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8045H
Dimensions (H x W x D)	134 mm x 115 mm x 27 mm (V3R015C00 and before); 115 mm x 94 mm x 27 mm (after V3R015C00)
Weight	< 500 g
Operating temperature	0°C to +40°C
Operating humidity	5% RH to 95% RH (non-condensing)
Power adapter input	100-240 V AC, 50-60 Hz
System power supply	11-14 V DC, 0.5 A
Static power consumption	3.5 W
Maximum power consumption	5.5 W
Ports	2FE+1POTS
Indicators	POWER/PON/LOS/LAN

Figure 1 shows the appearance of EchoLife HG8045H.

Product Details

Interface Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310nm, DS 1490nm ● Wavelength blocking filter (WBF) ● Flexible mapping between GEM Port and TCONT ● GPON: consistent with the SN or password authentication defined in G.984.3 ● Bi-directional FEC ● SR-DBA and NSR-DBA
Ethernet Port	● Ethernet port-based VLAN tags and tag removal ● 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission ● QinQ VLAN ● Limit on the number of learned MAC addresses ● MAC address learning
WLAN	● IEEE 802.11b/g/n ● 2 x 2 MIMO ● Antenna gain: 5 dBi ● WMM ● Multiple SSIDs ● WPS ● Air interface rate: 300 Mbps
USB Port	● USB2.0 ● FTP-based network storage

Product Functions

Smart Interconnection	● Smart Wi-Fi coverage (V300R015C10) ● Any port any service ● Parental control (V300R015C00) ● L2/L3(IPv4) forwarding: 1G uplink, 2G downlink
Smart O&M	● IPTV video quality diagnosis (V300R015C10) ● Variable-length OMCI messages ● Active/Passive rogue ONT ● detection and isolation ● PPPoE/DHCP simulation testing ● WLAN emulation
Smart Service	● Smart Wi-Fi sharing:802.1x authentication (V300R015C10)/ ● Portal SoftGRE-based sharing (V300R015C10)

Power Saving	● Indicator power saving
	● Scheduled Wi-Fi shutdown (V300R015C00)
	● COCv4
QoS	● Ethernet port rate limitation
	● 802.1p priority
	● SP/WRR/SP+WRR
	● Broadcast packet rate limitation
Security	● SPI firewall
	● Anti-DoS attack
	● Filtering based on MAC/IP/URL addresses
Layer 3 Features	● PPPoE/Static IP/DHCP
	● NAT/NAPT
	● Port forwarding
	● ALG, UPnP
	● DDNS/DNS server/DNS client
	● IPv6/IPv4 dual stack, and DS-Lite
	● Static/Default routes
	● Multiple services on one WAN port
Multicast	● IGMP v2/v3 snooping
	● IGMP v2/v3 proxy (V300R015C00)
	● MLD v1/v2 snooping
	● Multicast services through Wi-Fi
Common O&M	● OMCI/Web UI/TR069
	● Dual-system software backup and rollback

Get More Information

Do you have any question about the EchoLife HG8045H?

Contact us now via info@hi-network.com.

Specification

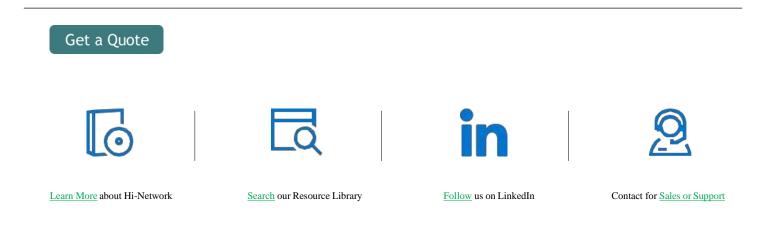| EchoLife HG8045H Specification	
Dimensions (H x W x D)	176 mm x 138.5 mm x 28 mm (without an external antenna)
Weight	About 260 g
Operating temperature	0°C to +40°C
Operating humidity	5% RH to 95% RH (non-condensing)
Power adapter input	100-240 V AC, 50-60 Hz
System power supply	11-14 V DC, 2 A

Static power consumption	6.5 W
Maximum power consumption	10 W
Ports	4GE + Wi-Fi + USB
Indicators	POWER/PON/LOS/LAN/USB/WLAN/WPS
GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310nm, DS 1490nm ● Wavelength blocking filter (WBF) ● Flexible mapping between GEM Port and TCONT ● GPON: consistent with the SN or password authentication defined in G.984.3 ● Bi-directional FEC ● SR-DBA and NSR-DBA
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WLAN	● IEEE 802.11b/g/n ● 2 x 2 MIMO ● Antenna gain: 5 dBi ● WMM ● Multiple SSIDs ● WPS ● Air interface rate: 300 Mbps
USB Port	● USB2.0 ● FTP-based network storage

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